

$^{114}\text{Sn}(^3\text{He},2n\gamma)$  1986Lo14

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 113, 2391 (2012)	1-Sep-2012

$E(^3\text{He})=24.4$  MeV.

Measured:  $\gamma$ ,  $\gamma\gamma$ ,  $\gamma(\theta)$ .

The authors found no  $\gamma$  feeding the  $(1/2)^+$  isomer.

 $^{115}\text{Te}$  Levels

E(level)	$J^\pi$	$T_{1/2}$	Comments
0.0	$7/2^+$		
280.1 2	$11/2^-$	$7.5 \mu\text{s}$ 2	$T_{1/2}$ : from Adopted Levels.
930.8 3	$15/2^-$		
1272.0 4			
1655	$(19/2^-)$		
1834.2 4			
2000.9 4			
2288.6 4	$(23/2^-)$		
2641.3 4			
3329.9 5			

 $\gamma(^{115}\text{Te})$ 

$E_\gamma$	$I_\gamma$	$E_i(\text{level})$	$J_i^\pi$	$E_f$	$J_f^\pi$	Mult. <sup>†</sup>	Comments
280.1 2	100	280.1	$11/2^-$	0.0	$7/2^+$	M2	Mult.: from Adopted Gammas.
341.2 2	4.6	1272.0		930.8	$15/2^-$		
633.8 2	7.5	2288.6	$(23/2^-)$	1655	$(19/2^-)$	E2	
650.7 2	66	930.8	$15/2^-$	280.1	$11/2^-$	E2	
724.0 2	$\approx 25$	1655	$(19/2^-)$	930.8	$15/2^-$	(E2)	
903.6 2	2.2	1834.2		930.8	$15/2^-$	D+Q	
986.5 2	6.4	2641.3		1655	$(19/2^-)$	D+Q	Mult.: M=E2 in Adopted Gammas.
1041.3 2	4.5	3329.9		2288.6	$(23/2^-)$	D	
1070.1 2	28	2000.9		930.8	$15/2^-$	D	

<sup>†</sup> From  $A_2$  and  $A_4$ , assuming the cascade feeds the  $11/2^-$ .

$^{114}\text{Sn}(^3\text{He}, 2n\gamma)$  1986Lo14

## Level Scheme

Intensities: Relative  $I_\gamma$ 

## Legend

- $I_\gamma < 2\% \times I_\gamma^{\text{max}}$
- $I_\gamma < 10\% \times I_\gamma^{\text{max}}$
- $I_\gamma > 10\% \times I_\gamma^{\text{max}}$

